

# CLAIMS:

1. A method for producing a molded body made of sintered steel, with a sintering powder on the basis of iron being mixed with a master alloy powder containing nickel, boron and iron, and with the powder mixture being pressed into a formed body before the formed body is sintered under the conditions of a liquid-phase sintering with a volume share of liquid phase up to 15%, characterized in that the boron content of the powder mixture is between 0.03% and 0.2% by weight at a boron share of the master alloy powder of less than 10% by weight, that the weight ratio between the nickel and the boron share of the powder mixture exceeds 5 and that the master alloy powder has an average particle size of between 10 and 90  $\mu\text{m}$ .
2. A method according to claim 1, characterized in that the boron content of the powder mixture lies between 0.10% and 0.15% by weight.
3. A method according to claim 1 or 2, characterized in that the powder mixture has a carbon content of between 0.15% and 0.8% by weight.